

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Mark W. Gluch, et al.
 Filing Date :
 For : VARIABLE RELUCTANCE MOTOR
 WITH SENSORS FOR DETERMINING
 ROTOR LAMINATION SHIFTS
 Attorney Docket No. : TRW(EPS)4599
 Cleveland, Ohio 44114-1400

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This information disclosure statement is being filed to fulfill the duty of candor and good faith toward the Patent and Trademark Office in accordance with 37 CFR §1.56.

Below is a list of information of which persons substantively involved in the preparation of the application identified above, are aware of. This statement is not a representation that no other relevant information exists, and is not an admission that any of the items is material. Copies of listed foreign patents and other publications are enclosed. No copies of listed U.S. Patents and U.S. Patent Applications are enclosed. A PTO Form 1449 is attached.

PATENTS

U.S. Patent No. 5,625,239

U.S. Patent No. 5,796,237

U.S. Patent No. 5,796,248

U.S. Patent No. 5,661,381

RELEVANCE

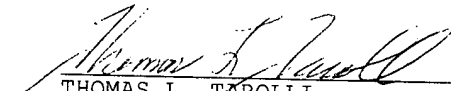
Discloses a method and apparatus for sensing relative position between two relatively rotatable members using concentric rings.

Discloses an efficiency control system for an induction motor.

Discloses a method and apparatus for commutating a three-phase variable reluctance motor.

Discloses an apparatus for external inductance sensing for variable-reluctance motor commutation.

Respectfully submitted,


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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(REV. 6-89) PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.: TRW(EPS)4599

SERIAL NO. N/A

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(Use several sheets if necessary)*

APPLICANT: Mark W. Gluch, et al.

FILING DATE:

GROUP: N/A

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	5	6	2	5	2	3	9	4/97	Persson, et al.			
	5	7	9	6	2	3	7	8/98	Yamakawa			
	5	7	9	6	2	4	8	8/98	Weber			
	5	6	6	1	3	8	1	8/97	Blackburn			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
												YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609;
Draw line through citation if not in conformance and not considered. Include copy of this form with next
communication to the patent applicants' attorney.